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Permit No.: ST-9234
Issuance Date: October 3, 2005
Effective Date: December 1, 2005
Expiration Date: November 30, 2010

STATE WASTE DISCHARGE PERMIT NUMBER ST-9234

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
CENTRAL REGION OFFICE

In compliance with the provisions of the
State of Washington Water Pollution Control Law
Chapter 90.48 Revised Code of Washington, as amended,
authorizes

HOLDEN VILLAGE, INC.
HC00 STOP 2
CHELAN, WA 98816-9769

to discharge wastewater in accordance with the special and general conditions which follow.

Septic Tank Location:

Latitude: 48° 11' 58" N.

Longitude: 120° 46' 23" W

Drainfield Discharge Location:

Latitude: 48° 11' 59" N.

Longitude: 120° 46' 34" W

Treatment Type

Septic System Pressurized Drainfield

G. Thomas Tebb, L.E.G.
Section Manager
Water Quality Program
Central Region Office
Washington State Department of Ecology

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SUMMARY OF PERMIT REPORT SUBMITTALS

Refer to the Special and General Conditions of this permit for additional submittal requirements.

Permit Section	Submittal	Frequency	First Submittal Date
S3.A.	Discharge Monitoring Report	Quarterly ^a	To be determined after submittal of Appendix A of the SSO&M Manual
S4.C.	Wasteload Assessment	1/permit cycle	November 30, 2009
S5.D.	Septic System Operations and Maintenance Manual	1/permit cycle	June 30, 2006
S5.E.	Septic System O&M Manual Appendix A Septic System Monitoring Plan	1/permit cycle	April 30, 2006
S7.A.	Schedule of Compliance - Holden Mine Project Update	Annually until project is underway	June 30, 2006
S7.B.	Notification of Holden Mine Project Construction Completion or Final Location Decision Report	1/permit cycle	Two weeks following construction completion or final location decision
S7.C.	Schedule of Compliance – Draft Sampling and Analysis Plan (SAP)	1/permit cycle	Three months following S7.B notification
S7.D.	Initiation of Monitoring	1/permit cycle	No later than one full construction season following SAP approval
S8.	Installation or proof of Monitoring Well Access	1/permit cycle	No later than one full construction season following SAP approval
G1.	Signature Authorization/Delegation	As Needed	As Needed
G8.	Application for permit renewal	1/permit cycle	November 30, 2009

^a Quarters are January-March; April-June; July-September; and October-December. Quarterly submittal due dates are January 15th, April 15th, July 15th, and October 15th.

SPECIAL CONDITIONS

S1. DISCHARGE LIMITATIONS

All discharges and activities authorized by this permit shall be consistent with the terms and conditions of this permit. The discharge of any of the following pollutants more frequently than, or at a concentration in excess of, that authorized by this permit shall constitute a violation of the terms and conditions of this permit.

A. Permit Limitations

Beginning on **December 1, 2005** and lasting through **November 30, 2010**, the Permittee is authorized to discharge wastewater to drainfields located approximately 0.9 mile east of the Holden Village complex and consisting of approximately 5 acres subject to the following limitations.

EFFLUENT LIMITATIONS		
Parameter	Maximum	Minimum
pH	10	6

S2. MONITORING REQUIREMENTS

A. Wastewater Monitoring

Wastewater monitoring shall be conducted according to the most recent Department of Ecology (Department) approved Septic System Monitoring Plan contained in Appendix A of the SSO&M Manual.

B. Drainfield Monitoring

Drainfield monitoring shall be conducted according to the most recent Department approved Drainfield Sampling and Analysis Plan contained in Appendix B of the SSO&M Manual.

C. Sampling and Analytical Procedures

Samples and measurements taken to meet the requirements of this permit shall be representative of the volume and nature of the monitored parameters, including representative sampling of any unusual discharge or discharge condition, including bypasses, upsets and maintenance-related conditions affecting effluent quality.

Ground water sampling shall conform to the latest protocols in the *Implementation Guidance for the Ground Water Quality Standards*, (Ecology 1996).

Sampling and analytical methods used to meet the water and wastewater monitoring requirements specified in this permit shall conform to the latest revision of the *Guidelines Establishing Test Procedures for the Analysis of Pollutants* contained in 40 CFR Part 136 or to the latest revision of *Standard Methods for the Examination of Water and Wastewater* (APHA), unless otherwise specified in this permit or approved in writing by the Department of Ecology (Department).

D. Flow Measurement

Appropriate flow measurement devices and methods consistent with accepted scientific practices shall be selected and used to ensure the accuracy and reliability of measurements of the quantity of monitored flows. The devices shall be installed, calibrated, and maintained to ensure that the accuracy of the measurements are consistent with the accepted industry standard for that type of device. Frequency of calibration shall be in conformance with manufacturer's recommendations and at a minimum frequency of at least 1 calibration per year. Calibration records shall be maintained for at least 3 years.

E. Laboratory Accreditation

All monitoring data required by the Department shall be prepared by a laboratory registered or accredited under the provisions of, *Accreditation of Environmental Laboratories*, Chapter 173-50 WAC. Flow, temperature, settleable solids, conductivity, pH, and internal process control parameters are exempt from this requirement. Conductivity and pH shall be accredited if the laboratory must otherwise be registered or accredited. Crops, soils, and hazardous waste testing have not been included in the accreditation program. Crops, soils, and hazardous waste data shall be provided by a lab accredited for similar parameters in water media.

S3. REPORTING AND RECORDKEEPING REQUIREMENTS

The Permittee shall monitor and report in accordance with the following conditions. The falsification of information submitted to the Department shall constitute a violation of the terms and conditions of this permit.

A. Reporting

The first monitoring period begins on **December 1, 2005**. Monitoring results shall be submitted quarterly. Monitoring results obtained during the previous 3 months shall be reported on the monthly forms as provided, or otherwise approved, by the Department, and be received no later than the 15th day of the month following the completed reporting period, unless otherwise specified in this permit. The report shall be sent to:

Permit Data Systems Manager
Department of Ecology
Central Regional Office
15 West Yakima Avenue, Suite 200
Yakima, Washington 98902

Discharge Monitoring Report forms must be submitted quarterly whether or not the facility was discharging. If there was no discharge or the facility was not operating during a given monitoring period, submit the form as required with the words "no discharge" entered in place of the monitoring results.

B. Records Retention

The Permittee shall retain records of all monitoring information for a minimum of 3 years. Such information shall include all calibration and maintenance records and all original recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit. This period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the Permittee or when requested by the Director.

The Permittee shall retain all records pertaining to the monitoring of sludge for a minimum of 5 years.

C. Recording of Results

For each measurement or sample taken, the Permittee shall record the following information: (1) the date, exact place and time of sampling; (2) the individual who

performed the sampling or measurement; (3) the dates the analyses were performed; (4) who performed the analyses; (5) the analytical techniques or methods used; and (6) the results of all analyses.

D. Additional Monitoring by the Permittee

If the Permittee monitors any pollutant more frequently than required by this permit using test procedures specified by Special Condition S2. of this permit, then the results of this monitoring shall be included in calculation and reporting of the data submitted in the Permittee's self-monitoring reports.

E. Noncompliance Notification

In the event the Permittee is unable to comply with any of the permit terms and conditions due to any cause, the Permittee shall:

1. Immediately take action to stop, contain, and cleanup unauthorized discharges or otherwise stop the violation, and correct the problem;
2. Repeat sampling and analysis of any violation and submit the results to the Department within 30 days after becoming aware of the violation;
3. Immediately notify the Department of the failure to comply; and
4. Submit a detailed written report to the Department within 30 days, unless requested earlier by the Department, describing the nature of the violation, corrective action taken and/or planned, steps to be taken to prevent a recurrence, results of the resampling, and any other pertinent information.

Compliance with these requirements does not relieve the Permittee from responsibility to maintain continuous compliance with the terms and conditions of this permit or the resulting liability for failure to comply.

F. Maintaining a Copy of This Permit

A copy of this permit shall be kept at the treatment plant and be made available to the public or Ecology inspectors.

S4. FACILITY LOADING

A. Design Criteria

Flows or waste loadings of the following design criteria contained in the Facility Plan and amendment letter for the permitted treatment facility shall not be exceeded:

Parameter	Design Criteria
Monthly average flow (max. month):	20,700 gpd
Monthly average dry weather flow:	16,000 gpd
Monthly average wet weather flow:	57,600 gpd
Instantaneous peak hour flow:	40 gpm
BOD influent loading lbs/Day (max. month):	65.6 lbs/Day
BOD influent loading concentration:	380 mg/L
TSS influent loading lbs/Day (max. month):	43.2 lbs/Day
TSS influent loading concentration:	250 mg/L

B. Plans for Maintaining Adequate Capacity

When the actual flow or wasteload reaches 85 percent of any one of the design criteria in S4.A. for 3 consecutive months, or when the projected increases would reach design capacity within 5 years, whichever occurs first, the Permittee shall submit to the Department, a plan and a schedule for continuing to maintain capacity at the facility sufficient to achieve the effluent limitations and other conditions of this permit. This plan shall address any of the following actions or any others necessary to meet this objective.

1. Analysis of the present design including the introduction of any process modifications that would establish the ability of the existing facility to achieve the effluent limits and other requirements of this permit at specific levels in excess of the existing design criteria specified in paragraph A above.
2. Reduction or elimination of excessive infiltration and inflow of uncontaminated ground and surface water into the sewer system.
3. Limitation on future sewer extensions or connections or additional wasteloads.

4. Modification or expansion of facilities necessary to accommodate increased flow or wasteload.

Engineering documents associated with the plan must meet the requirements of WAC 173-240-060, "Engineering Report," and be approved by the Department prior to any construction. The plan shall specify any contracts, ordinances, methods for financing, or other arrangements necessary to achieve this objective.

C. Wasteload Assessment

The Permittee shall conduct an assessment of its flow and wasteload and submit a report to the Department by **November 30, 2009**. The report shall contain the following: an indication of compliance or noncompliance with the permit effluent limitations; a comparison between the existing and design monthly average dry weather and wet weather flows, peak flows, BOD, and total suspended solids loadings; and the percentage increase in these parameters since the previous assessment.

S5. OPERATION AND MAINTENANCE

The Permittee shall at all times be responsible for the proper operation and maintenance (O&M) of any facilities or systems of control installed to achieve compliance with the terms and conditions of the permit.

A. O & M Program

The Permittee shall institute an adequate O&M program for its entire sewage system. Maintenance records shall be maintained on all major electrical and mechanical components of the treatment plant, as well as the sewage system and pumping stations. Such records shall clearly specify the frequency and type of maintenance recommended by the manufacturer and shall show the frequency and type of maintenance performed. These maintenance records shall be available for inspection at all times.

B. Electrical Power Failure

The Permittee is responsible for maintaining adequate safeguards to prevent the discharge of untreated wastes or wastes not treated in accordance with the requirements of this permit during electrical power failure at the treatment plant and/or sewage lift stations either by means of alternate power sources, standby generator, or retention of inadequately treated wastes.

C. Bypass Procedures

The Permittee shall immediately notify the Department of any spill, overflow, or bypass from any portion of the collection or treatment system.

The bypass of wastes from any portion of the collection or treatment system is prohibited unless one of the following conditions (1, 2, or 3) applies:

1. Unavoidable Bypass -- Bypass is unavoidable to prevent loss of life, personal injury, or severe property damage. "Severe property damage" means substantial physical damage to property, damage to the treatment facilities which would cause them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass.

If the resulting bypass from any portion of the treatment system results in noncompliance with this permit the Permittee shall notify the Department in accordance with Special Condition S3.E "Noncompliance Notification."

2. Anticipated Bypass That Has The Potential to Violate Permit Limits or Conditions -- Bypass is authorized by an administrative order issued by the Department. The Permittee shall notify the Department at least 30 days before the planned date of bypass. The notice shall contain a description of the bypass and its cause; the duration of the bypass, including exact dates and times; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the bypass. The Department will consider the following prior to issuing an administrative order:
 - a. If the bypass is necessary to perform construction or maintenance-related activities essential to meet the requirements of the permit.
 - b. If there are feasible alternatives to bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, maintenance during normal periods of equipment down time, or transport of untreated wastes to another treatment facility.
 - c. If the bypass is planned and scheduled to minimize adverse effects on the public and the environment.

After consideration of the above and the adverse effects of the proposed bypass and any other relevant factors, the Department will approve or deny the request. The public shall be notified and given an opportunity to comment on bypass incidents of significant duration, to the extent feasible. Approval of a request to bypass will be by administrative order issued by the Department under RCW 90.48.

3. Bypass For Essential Maintenance Without the Potential to Cause Violation of Permit Limits or Conditions -- Bypass is authorized if it is for essential maintenance and does not have the potential to cause violations of limitations or other conditions of the permit, or adversely impact public health as determined by the Department prior to the bypass.

D. Septic System O&M Manual

A Septic System O&M Manual (SSOM) shall be prepared by the Permittee in accordance with WAC 173-240-080 and be submitted to the Department for approval no later than **June 30, 2006**. The SSO&M Manual shall be reviewed by the Permittee at least annually. All manual changes or updates shall be submitted to the Department whenever they are incorporated into the manual. The approved operation and maintenance manual shall be kept available at the treatment plant.

The operation and maintenance manual shall contain the treatment plant process control monitoring schedule. All operators shall follow the instructions and procedures of this manual.

The manual shall include:

1. Emergency procedures for plant shutdown and cleanup in event of wastewater system upset or failure;
3. Protocols and procedures for all monitoring required by this permit;
4. Plant maintenance procedures;
5. Minimum staffing level required to perform O&M of the septic system and carry out monitoring to verify compliance with this permit; and,
6. Residual solids plan detailing scheduled inspections, storage, removal and disposal of solids from the septic system.

E. SSO&M Manual Appendix A: Septic System Monitoring Plan

The Permittee is required to develop a septic system monitoring plan (SSMP) and submit it to the Department for approval no later than **April 30, 2006**. The draft plan is required to detail monitoring frequencies, the sampling locations, and the selected parameters to be analyzed. The approved SSMP shall be placed in Appendix A of the SSO&M Manual following Departmental approval of the SSO&M Manual.

The approved SSMP shall constitute the enforceable monitoring requirements of Special Condition S2.

S6. RESIDUAL SOLIDS

Residual solids include screenings, grit, scum, primary sludge, waste activated sludge and other solid waste. The Permittee shall store and handle all residual solids in such a manner so as to prevent their entry into State ground or surface waters. The Permittee shall not discharge leachate from residual solids to State surface or ground waters. Septage shall be removed from the septic tank on a regular basis, and in accordance with the Permittee's approved O&M Manual. The handling and disposal of all residual solids shall be in accordance with the requirements of the local jurisdictional health department, and all other applicable State and Federal requirements.

S7. COMPLIANCE SCHEDULE SAMPLING AND ANALYSIS PLAN

A. Holden Mine Project Update

The Permittee is required to monitor ground and surface water for adverse impacts originating at the drainfield. The placement of monitoring wells and the commencement of monitoring is dependant upon the Holden Mine Clean-Up Project final location and completion of associated construction activities. The construction completion date at the Holden Mine Project is unknown at this time (July 2005). Therefore, the Permittee is required to submit annual updates on the status of the project beginning **June 30, 2006**.

B. Notification of the Holden Mine Project Construction Completion or Final Decision Report

The Permittee **shall notify the Department within two weeks** of the completion of project construction or when a final location for the mine mitigation has been determined which will not impact Permittee's groundwater monitoring ability by mine mitigation related construction.

C. Sampling and Analysis Plan (SAP): Appendix B of the SSO&M Manual, Septic System Monitoring Plan

The Permittee shall submit to the Department, for review and approval, a Sampling and Analysis Plan for drainfield monitoring **no later than 3 months following completion of the construction phase of the Holden Mine Project or following a final decision on an alternative location of the mine mitigation site**. The Plan shall address all wastewater, ground water, soil, and surface water monitoring required in this permit. Upon Departmental approval the Plan shall be placed in Appendix B of the Septic System O & M Manual (SSO&M). Appendix

B shall then constitute the drainfield monitoring requirements of Special Condition S2.B. The Plan shall be developed in accordance with *Guidelines for Preparing Quality Assurance Project Plans for Environmental Studies*, Ecology Publ. No. 01-03-003 and the appropriate sections of *Implementation Guidance for the Ground Water Quality Standards*, Ecology Publ. No. 96-02.

D. Initiation of Monitoring

Following approval of the SAP, the Permittee shall begin monitoring **no later than one full construction season** after approval of the SAP, in accordance with S2. B of this permit.

S8. GROUND WATER MONITORING WELLS

The Permittee shall install or show written approved access to monitoring wells in accordance with the approved Sampling and Analysis Plan **no later than one full construction season** after approval of the SAP. Well construction shall meet the requirements of Chapters 173-160 and 173-162 WAC.

GENERAL CONDITIONS

G1. SIGNATURE AUTHORIZATION/DELEGATION

All applications, reports, or information submitted to the Department shall be signed as follows:

- A. All permit applications shall be signed by either a principal executive officer or ranking elected official.
- B. All reports required by this permit and other information requested by the Department shall be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if:
 - 1. The authorization is made in writing by the person described above and is submitted to the Department at the time of authorization, and
 - 2. The authorization specifies either a named individual or any individual occupying a named position.
- C. Changes to authorization. If an authorization under paragraph B.2. above is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization must be submitted to the Department prior to or together with any reports, information, or applications to be signed by an authorized representative.
- D. Certification. Any person signing a document under this section shall make the following certification:

"I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

G2. RIGHT OF ENTRY

Representatives of the Department shall have the right to enter at all reasonable times in or upon any property, public or for the purpose of inspecting and investigating conditions relating to the pollution or the possible pollution of any waters of the State. Reasonable times shall include normal business hours; hours during which production, treatment, or

discharge occurs; or times when the Department suspects a violation requiring immediate inspection. Representatives of the Department shall be allowed to have access to, and copy at reasonable cost, any records required to be kept under terms and conditions of the permit; to inspect any monitoring equipment or method required in the permit; and to sample the discharge, waste treatment processes, or internal waste streams.

G3. PERMIT ACTIONS

This permit shall be subject to modification, suspension, or termination, in whole or in part by the Department for any of the following causes:

- A. Violation of any permit term or condition;
- B. Obtaining a permit by misrepresentation or failure to disclose all relevant facts;
- C. A material change in quantity or type of waste disposal;
- D. A material change in the condition of the waters of the State; or
- E. Nonpayment of fees assessed pursuant to RCW 90.48.465.

The Department may also modify this permit, including the schedule of compliance or other conditions, if it determines good and valid cause exists, including promulgation or revisions of regulations or new information.

G4. REPORTING A CAUSE FOR MODIFICATION

The Permittee shall submit a new application, or a supplement to the previous application, along with required engineering plans and reports, whenever a new or increased discharge or change in the nature of the discharge is anticipated which is not specifically authorized by this permit. This application shall be submitted at least 60 days prior to any proposed changes. Submission of this application does not relieve the Permittee of the duty to comply with the existing permit until it is modified or reissued.

G5. NOTIFICATION OF NEW OR ALTERED SOURCES

The Permittee shall submit written notice to the Department whenever any new discharge or increase in volume or change in character of an existing discharge into the sewer is proposed which: (1) would interfere with the operation of, or exceed the design capacity of, any portion of the collection or treatment system; (2) would increase the total system flow or influent waste loading by more than 10 percent; (3) is not part of an approved general sewer plan or approved plans and specifications; or would be subject to pretreatment standards under 40 CFR Part 403 and Section 307(b) of the Clean Water Act. This notice shall include an evaluation of the system's ability to adequately transport and treat the added flow and/or wasteload.

G6. PLAN REVIEW REQUIRED

Prior to constructing or modifying any wastewater control facilities, an engineering report and detailed plans and specifications shall be submitted to the Department for approval in accordance with Chapter 173-240 WAC. Engineering reports, plans, and specifications should be submitted at least 180 days prior to the planned start of construction. Facilities shall be constructed and operated in accordance with the approved plans.

G7. COMPLIANCE WITH OTHER LAWS AND STATUTES

Nothing in the permit shall be construed as excusing the Permittee from compliance with any applicable Federal, State, or local statutes, ordinances, or regulations.

G8. DUTY TO REAPPLY

The Permittee must apply for permit renewal at least 1 year prior to the specified expiration date of this permit.

G9. PAYMENT OF FEES

The Permittee shall submit payment of fees associated with this permit as assessed by the Department. The Department may revoke this permit if the permit fees established under Chapter 173-224 WAC are not paid.

G10. PENALTIES FOR VIOLATING PERMIT CONDITIONS

Any person who is found guilty of willfully violating the terms and conditions of this permit shall be deemed guilty of a crime, and upon conviction thereof shall be punished by a fine of up to \$10,000 and costs of prosecution, or by imprisonment in the discretion of the court. Each day upon which a willful violation occurs may be deemed a separate and additional violation.

Any person who violates the terms and conditions of a waste discharge permit shall incur, in addition to any other penalty as provided by law, a civil penalty in the amount of up to \$10,000 for every such violation. Each and every such violation shall be a separate and distinct offense, and in case of a continuing violation, every day's continuance shall be and be deemed to be a separate and distinct violation.